

ABSTRACT

Procedure and Device for Cracking of Hydrocarbons Using Two Successive Reaction Chambers

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This present invention concerns a procedure for cracking, in a fluidized bed, a hydrocarbon charge wherein the cooling particles, which may optionally also be catalytic particles, circulate in two successive reaction chambers (1; 16), in each of which they are brought into contact with at least one cut of hydrocarbons, and the reaction effluents from each of said chambers are directed towards one and the same fractionating unit.

The effluents from each of the reaction chambers (1; 16) are cracked in part separately in one and the same partially partitioned fractionating unit, and at least one cut (12) obtained by separately cracking the effluents from one of the two reaction chambers (1; 16) is, as a whole or in part, reinjected into the other chamber.

Figure 1.